CLAIMS

1.   A method for establishing or modifying sessions in a telecommunications switching system, comprising the steps of:

collecting statistics associated with the use of session resources pertaining to said switching system;

recording information to a connection cache pertaining to a session resource based on said statistics;

checking in the processing of a session establishment or modification request said connection cache for at least one matching session resource; and

using said matching session resource in the establishment of at least one communication path pertaining to said session establishment or modification request.

2.   The method according to claim 1, wherein at least one of said session resources is a cross-connection in a switch.

3.   The method according to claim 2, wherein said cross connection is an ATM level virtual circuit connection and said switch is an ATM switching core.

4.   The method according to claim 1, wherein at least one of said session resources is a connection to a computer unit hosting a digital signaling processing application.

5.   The method according to claim 1, wherein at least one of said session resources is a media stream processing means.

6.   The method according to claim 1, wherein said matching utilizes at least one quality of service parameter pertaining to the session request.

7.   The method according to claim 1, wherein said switching system is an ATM switching system.

8.   The method according to claim 1, wherein said switching system is a UMTS radio network controller.

9.   The method according to claim 6, wherein said quality of service parameter is bitrate.

10.   The method according to claim 4, wherein said computer unit is grouped into at least one computer unit group, computer units from said computer unit group being used for sessions associated with predefined incoming or outgoing connections.

11.   A system for establishing or modifying sessions in a telecommunications switching system, the system further comprising:

means for switching communication paths;

means for receiving session establishment or modification requests;

means for collecting statistics of session resources used by sessions pertaining to said session establishment or modification requests;

a connection cache for recording information pertaining to said session resources based on said statistics; and

means for reusing a session resource, the information of which has been stored in said connection cache, in the context of a new session establishment or modification request.

12.   The system according to claim 11, wherein at least one of said session resources is a cross-connection in a switch.

13.   The system according to claim 11, wherein said cross-connection is an ATM level virtual circuit connection and said switch is an ATM switching core.

14.   The system according to claim 11, wherein at least one of said session resources is a connection to a computer unit hosting a digital signaling processing application.

15.   The system according to claim 11, wherein at least one of said session resources is a media stream processing means.

16.   The system according to claim 11, wherein said switching system is an ATM switching system.

17. The system according to claim 11, wherein said switching system is a UMTS radio network controller.

18. The system according to claim 14, wherein said computer unit is grouped into at least one computer unit group, computer units from said computer unit group being used for sessions associated with predefined incoming or outgoing connections.

19. A node for establishing or modifying sessions in a telecommunications system, the node further comprising:

means for receiving session establishment or modification requests;

means for collecting statistics of session resources used by sessions pertaining to said session establishment or modification requests;

a connection cache for recording information pertaining to said session resources based on said statistics; and

means for reusing a session resource, the information of which has been stored in said connection cache, in the context of a new session establishment or modification request.

20. The node according to claim 19, wherein at least one of said session resources is a cross-connection in a switch.

21. The node according to claim 20, wherein said cross-connection is an ATM level virtual circuit connection and said switch is an ATM switch.

22.   The node according to claim 19, wherein at least one of said session resources is a connection to a computer unit hosting a digital signaling processing application.

23.   The node according to claim 19, wherein at least one of said session resources is a media stream processing means.

24.   The node according to claim 19, wherein said telecommunications system is UMTS.

25.   The node according to claim 24, wherein said node is a radio network controller.

26.   The node according to claim 22, wherein said computer unit is grouped into at least one computer unit group, computer units from said computer unit group being preferred for sessions associated with predefined incoming or outgoing connections.